DESIGN PATENTS

JANUARY 1977 -- DECEMBER 1996



April 1997 U.S. PATENT AND TRADEMARK OFFICE OFFICE OF ELECTRONIC INFORMATION PRODUCTS / TAF PROGRAM PK3 - SUITE 441, WASHINGTON, DC 20231 TEL (703) 306-2600/ FAX (703 306-2737

A TECHNOLOGY ASSESSMENT AND FORECAST REPORT

Design Patents Report 1/1977 - 12/1996 Explanation of Data

This Technology Assessment and Forecast (TAF) Program Report profiles patent activity for U.S. design patents (hereafter referred to as patents) granted between 1977 and December 1996. The source of the data used for this report is the TAF data base maintained by the Office of Electronic Information Products.

Data Distribution By Date of Grant and By Date of Application

Parts A1 and A2

Part A1 distributes patent GRANT data by year of patent grant ("Patents Granted By Date of Patent Grant"). Part A2 distributes grant data by the year in which the patented application was filed ("Patents Granted By Date of Patent Application"). Parts A1 and A2 each provide patent counts (pages A1-1 and A2-1) and percent distributions (pages A1-2 and A2-2).

Patent data in the "Pre 1983" column corresponds to the period January 1, 1977 through December 31, 1982.

Part B

Part B of this report distributes patent GRANT data for organizations that have received U.S. patents since 1977. Data are presented by the year in which the patent was granted ("Patents By Year of Grant") and the year the patented application was filed ("Patents by Year of Application").

DATA FOR THOSE APPLICATIONS WHICH WERE FILED BUT NEVER ISSUED (ROUGHLY 40% OF TOTAL FILINGS) ARE NOT INCLUDED IN THIS REPORT.

Since the average time period between filing for a design patent and the issuing of that patent (i.e., a patent's "pendency") is now about 18 months, the patented application data for the most recent years are incomplete.* This is because a significant number of the applications filed in the most recent years, which will ultimately become patents, were still pending in December 1996. Since they had not yet become patents at the time this report was prepared, they were not included in this report.

Patented application data are of significant value since the date an application was filed more accurately reflects when the technology was developed. Additionally, fluctuations in data based on application date are much more likely to reflect changes in technological activity, since such fluctuations would for the most part be immune from changes in PTO processing such as occurred in 1986 when the PTO issued fewer patents than would normally have been expected due to a lack of funds to print patents. Note that a patent's

"pendency" can be quite variable from one patent to another thereby affecting the date of patent grant. Such variation in pendency is determined by many factors, including PTO workload (which varies between technologies), budget and manpower levels, patent printing schedules, etc.

Parts of the Report

Parts A1 and A2 present tables which show, by number and percent, the patent activity. Part A1 presents data by year of patent grant ("Patents Granted by Date of Patent Grant"). Part A2 redistributes grant data by year of patent application ("Patents Granted by Date of Patent Application"). The location of patent origin is determined by the residence of the first-named inventor at the time of grant.

Information on **patent ownership** reflects ownership at the time of patent grant and does not include subsequent changes in ownership. If more than one assignee was declared at the time of grant, the patent is attributed to the first-named assignee. The U.S. and Foreign Corporations ownership categories count predominantly corporate patents; however, patents assigned to other organizations such as small businesses, nonprofit organizations, universities, etc. are also included in this category. While U.S. Government patent ownership includes only patents granted to the Federal Government, no such distinction is made for Foreign Government patents.

Part B is a ranked listing of national and international organizations (i.e., corporations, universities, government agencies) which have received 50 or more U.S. design patents since 1977. Data line 1 for each listed organization distributes counts of patent grants by year of grant. Data line 2 for each organization redistributes those same patent grants by year in which the patented application was filed. Information on patent ownership reflects ownership at the time of patent grant. Although a substantial effort has been made to combine name variations into a single organizational name, many organizations continue to have patents listed under more than one organizational name.

^{*} As of December 31, 1996, DESIGN patent application data were approximately 96% complete for patent applications filed in 1994 and 62% complete for applications filed in 1995. They are essentially complete for applications filed prior to 1994.

Part A1 Patent Grants As Distributed By Year of Patent Grant

DESIGN PATENTS, 1977 - 1996 Page Al- 1

		Patents	Granted	Rv. Da	te Of	Patent	Grant	(Granted:	Jan 01,	1977 -	Dec 31	1996)					
		racenes	Grantea	Бу Ба	CC OI	racent	Grane	(Grancea.	oan oi,	1011	DEC JI,	1000					
							N	JMBER OF	PATENTS								
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	24548	4563	4938	5066	5518	5959	5679	6092	8024	9569	9269	10630	11095	11712	11410	134072	
U.S. Origin	18657	3278	3428	3475	3546	3902	3645	3883	5069	6075	6013	7416	7697	8251	7863	92198	
Foreign Origin	5891	1285	1510	1591	1972	2057	2034	2209	2955	3494	3256	3214	3398	3461	3547	41874	
JAPAN	1783	390	503	576	620	698	795	861	1137	1307	1149	1037	1056	1026	936	13874	
CANADA	665	98	113	107	134	169	152	153	212	260	240	275	360	330	401	3669	
GERMANY	514	105	105	142	156	173	147	144	182	257	258	228	208	221	250	3090	
UNITED KINGDOM	551	115	136	114	222	159	153	153	202	237	193	197	186	181	202	3001	
TAIWAN	29	6	19	25	61	67	78	97	129	190	250	320	368	466	522	2627	
FRANCE	410	112	119	89	115	107	98	129	184	193	234	215	182	169	201	2557	
ITALY	221	59	73	90	100	99	91	124	227	176	172	165	143	159	179	2078	
SWEDEN	471	81	125	93	138	138	113	88	114	112	98	102	93	107	115	1988	
HONG KONG	151	45	44	41	80	56	63	86	99	159	99	121	163	162	159	1528	
AUSTRALIA	243	66	55	72	76	69	62	75	81	98	83	88	91	85	87	1331	
SWITZERLAND	204	54	32	39	43	63	48	54	57	110	93	69	73	127	74	1140	
NETHERLANDS	93	26	25	39	66	49	34	41	46	55	66	78	83	57	44	802	
DENMARK	72	13	9	33	28	40	43	37	43	72	77	60	93	99	66	785	
SOUTH KOREA	7	1	4	9	9	21	29	24	65	44	48	50	65	78	72	526	
BELGIUM	69	12	32	12	20	26	21	16	37	40	43	25	30	19	26	428	
AUSTRIA	52	2	15	10	21	12	13	9	29	29	30	26	25	21	25	319	
FINLAND	72	16	9	23	16	17	7	20	10	12	19	17	29	27	9	303	
SPAIN	31	23	4	7	3	9	6	15	18	32	14	26	26	19	28	261	
NORWAY	32	12	17	15	7	27	14	15	7	8	13	9	4	8	11	199	
ISRAEL	10	4	5	5	7	10	9	11	7	17	8	22	24	26	32	197	
NEW ZEALAND	31	3	13	10	10	10	12	9	10	5	9	5	11	12	23	173	
LUXEMBOURG	11		6	4	5	3	9	9	10	14	10	13	22	10	9	135	
S. AFRICA	18	2	4	1	3	5	4	8	8	6	4	7	8	4	5	87	
MEXICO	23	2	1	3		5	1	2	2	13	6	5	8	5	7	83	
IRELAND	7	2	6	1	4	2	4	6	7	4	6	6	1	8	10	74	
URUGUAY	41	12	5	13	3											74	
GREECE	5	5	15	5	10	12	7	1	2			1		1		64	
SINGAPORE	2			1	1	1	2	4	4	10	3	6	8	8	9	59	
BRAZIL	6	4				1	8	2	4	4	3	2	1	7	6	48	
U.S.S.R.	22	1	2	2	1		1	1	3	4	1	2	4			44	
MALAYSIA	2	3	1						3	1	6	6	6	1	12	41	
YUGOSLAVIA	3	2	2	1	1	3	4	3	2	3	1	5		1	1	32	
ARGENTINA	4	3	2	1			2	3	2	3	3	1	2	1	2	29	
VENEZUELA	5				2	1					2	3	5	2	5	25	
PORTUGAL	7			2							7	1	1		1	19	
THAILAND	1								1			12	3	2		19	
Others (45)	23	6	9	6	10	5	4	9	11	19	8	9	16	12	18	165	
Ownership:																	
U.S. Corporations	9657	1740	1971	2075	2118	2290	2122	2235	2824	3409	3358	3844	4278	4615	4463	50999	
U.S. Government	6	1/40	1	20,5	1	2270	2122	3	1	3103	1	3011	2	3	1103	19	
U.S. Individuals	9324	1597	1553	1500	1567	1718	1619	1746	2407	2889	2779	3675	3571	3795	3566	43306	
Foreign Corporations	3873	918	1056	1132	1407	1528	1550	1704	2253	2598	2494	2460	2483	2460	2500	30416	
Foreign Government	7		1			1	,	3			1	·	1			14	
Foreign Individuals	1681	307	356	359	425	422	388	401	539	673	636	651	760	839	881	9318	

DESIGN PATENTS, 1977 - 1996

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DESIGN FAIENTS, 1977	1000														rage	AI Z	
		Patents	Granted	By Da	ite Of	Patent	Grant. (Granted:	Jan 01.	1977 -	Dec 31.	1996)					
		1 4001100	oranoca	2, 20	.00 01	1400110	Ozdiio (or annoca	ouii oi,		200 31,	1000					
							PE	RCENT OF	PATENTS								
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
U.S. Origin	76	72	69	69	64	65	64	64	63	63	65	70	69	70	69	69	
Foreign Origin	24	28	31	31	36	35	36	36	37	37	35	30	31	30	31	31	
JAPAN	7	9	10	11	11	12	14	14	14	14	12	10	10	9	8	10	
CANADA	3	2	2	2	2	3	3	3	3	3	3	3	3	3	4	3	
GERMANY	2	2	2	3	3	3	3	2	2	3	3	2	2	2	2	2	
UNITED KINGDOM	2	3	3	2	4	3	3	3	3	2	2	2	2	2	2	2	
TAIWAN					1	1	1	2	2	2	3	3	3	4	5	2	
FRANCE	2	2	2	2	2	2	2	2	2	2	3	2	2	1	2	2	
ITALY	1	1	1	2	2	2	2	2	3	2	2	2	1	1	2	2	
SWEDEN	2	2	3	2	3	2	2	1	1	1	1	1	1	1	1	1	
HONG KONG	1	1	1	1	1	1	1	1 1	1	2 1	1	1	1	1	1	1	
AUSTRALIA	1	1 1		1	1 1	1 1	1 1	1	1 1	1	1 1	1 1	1 1	1 1	1 1	1 1	
SWITZERLAND NETHERLANDS	1	1	1 1	1 1	1	1	1	1	1	1	1	1	1	1	Τ	1	
DENMARK		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
SOUTH KOREA				Τ.	1	Τ.	1	Τ.	1	1	1	1	1	1	1	0	
BELGIUM			1				1		1		1		1	1	1	0	
AUSTRIA			_													0	
FINLAND																0	
SPAIN		1														0	
NORWAY		-														0	
ISRAEL																0	
NEW ZEALAND																0	
LUXEMBOURG																0	
S. AFRICA																0	
MEXICO																0	
IRELAND																0	
URUGUAY																0	
GREECE																0	
SINGAPORE																0	
BRAZIL																0	
U.S.S.R.																0	
MALAYSIA																0	
YUGOSLAVIA																0	
ARGENTINA																0	
VENEZUELA																0	
PORTUGAL																0	
THAILAND																0	
Others (45)																U	
Ownership:																	
U.S. Corporations	39	38	40	41	38	38	37	37	35	36	36	36	39	39	39	38	
U.S. Government	39	30	70	41	30	30	31	31	33	30	30	30	33	33	33	0	
O.D. GOVELIMENT				30	28	29	29	29	30	30	30	35	32	32	31	32	
II S Individuals	38	35	31														
U.S. Individuals	38	35	31	30	20	2,5	2,7	2,5	50	30				32	31		
U.S. Individuals Foreign Corporations Foreign Government	38 16	35 20	21	22	25	26	27	28	28	27	27	23	22	21	22	23	

Part A2 Patent Grants As Distributed By Year of Patent Application

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	Dat	ents Gr	anted B	tv Date	Of Dat	ent Apr	lication	(Grant	ed: Tan	01, 1977	- Dec 3	1 1996)					
	rac	circs Gi	ancea b	у Басс	OI FAC	enc App	,iicacioi	(Granc	ca. van	01, 1577	Dec 3	1, 1000)					
						N	UMBER C	F PATENT	ED APPLI	CATIONS							
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Total	
Total	36664	5492	6014	6509	6333	6951	7403	7578	8372	8483	8644	9121	9990	6315	203	134072	
U.S. Origin	27085	3691	3831	4230	4072	4376	4729	4665	5675	5958	5915	6410	7088	4331	142	92198	
Foreign Origin	9579	1801	2183	2279	2261	2575	2674	2913	2697	2525	2729	2711	2902	1984	61	41874	
JAPAN	2935	610	752	836	874	959	969	1169	879	843	889	766	783	593	17	13874	
CANADA	934	114	175	175	157	194	198	200	215	219	286	283	279	237	3	3669	
GERMANY	815	152	154	190	150	191	188	193	211	177	169	203	191	105	1	3090	
UNITED KINGDOM	874	173	214	168	148	171	194	162	191	150	154	139	159	102	2	3001	
TAIWAN	71	38	68	74	108	87	136	164	195	244	280	335	405	404	18	2627	
FRANCE	687	121	98	140	122	159	183	184	159	169	134	138	174	87	2	2557	
ITALY	401	90	117	114	110	218	166	147	130	107	118	124	161	74	1	2078	
SWEDEN	752	110	156	133	99	89	93	86	98	83	72	98	75	44		1988	
HONG KONG	265	64	66	68	88	79	78	117	115	95	137	141	117	84	14	1528	
AUSTRALIA	412	83	77	57	80	88	85	68	61	67	72	67	84	30		1331	
SWITZERLAND	318	38	59	68	48	74	65	82	63	56	72	84	83	30		1140	
NETHERLANDS	163	54	61	49	35	38	43	51	70	60	63	36	53	26		802	
DENMARK	120	23	30	38	42	39	44	81	68	45	60	76	78	41		785	
SOUTH KOREA	16	11	18	28	23	46	51	36	49	40	52	56	74	24	2	526	
BELGIUM	125	12	23	16	32	21	38	26	45	14	28	18	16	14		428	
AUSTRIA	74	14	21	10	16	21	22	24	29	23	19	23	10	13		319	
FINLAND	113	21	15	10	10	17	18	9	16	11	21	15	23	4		303	
SPAIN	63	5	8	6	16	14	23	21	18	26	13	11	24	13		261	
NORWAY	62	19	17	18	15	13	9	11	5	6	4	8	9	3		199	
ISRAEL	25	3	9	12	11	6	12	14	10	28	10	13	27	17		197	
NEW ZEALAND	54	9	11	12	9	14	2	5	7	5	8	17	17	3		173	
LUXEMBOURG	18	5	5	11	7	8	8	9	13	7	17	11	11	5		135	
S. AFRICA	25	2	5	4	11	6	3	8	6	3	6	4	3	1		87	
MEXICO	29	1		3	3	3	6	7	4	8	7	6	5	1		83	
IRELAND	16	4	3	3	4	7	3	6	4	3	2	9	7	3		74	
URUGUAY	66	8														74	
GREECE	29	6	6	17	3		1				1	1				64	
SINGAPORE	3		1	2	4	4	10	2	5	5	7	9	3	4		59	
BRAZIL	10		2	1	10	2	1	5	2	1	2	3	6	3		48	
U.S.S.R.	28				3		4	4	1	2	2					44	
MALAYSIA	6				1		1	2	6	9	3		7	6		41	
YUGOSLAVIA	8		3	6	2	1	4	1	3	2		1	1			32	
ARGENTINA	10			1	4	1	2	2	3	2		2	1		1	29	
VENEZUELA	5	1	1	1				2	2	2	4	4		3		25	
THAILAND	1						1	5	1	6	3	1	1			19	
PORTUGAL	7	2							7	1		1		1		19	
Others (45)	39	8	8	8	16	5	13	10	6	6	14	8	15	9		165	
Ownership:																	
U.S. Corporations	14349	2222	2239	2381	2287	2504	2602	2624	2991	3187	3478	3645	3967	2463	60	50999	
U.S. Government	8		1		2	2			1		2	3				19	
U.S. Individuals	13279	1573	1723	1949	1887	2011	2292	2160	2837	2850	2565	2869	3277	1951	83	43306	
Foreign Corporations	6457	1278	1609	1745	1694	1952	2013	2270	2045	1908	2051	1948	2023	1377	46	30416	
Foreign Government	8		1		3				1		1					14	
Foreign Individuals	2563	419	441	434	460	482	496	524	497	538	547	656	723	524	14	9318	

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Sign Origin		Pat	tents G	ranted B	y Date	Of Pat	ent App	lication	(Grant	ed: Jan	01, 1977	- Dec 3	1, 1996)				
Per 1983 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1992 1992 1993 1994 1995 1996 Total 100 100 100 100 100 100 100 100 100 10							D	ERCENT O	г ратемт	ED ADDIT	CATIONS						
OCISITIO 74 67 64 65 64 63 64 62 68 70 68 70 71 69 70 69 40 69 40 60 40 71 30		Pre 1983	1983			1986						1992	1993	1994	1995	1996	
Sign Origin	tal	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
NAM B	J.S. Origin	74	67	64	65	64	63	64	62	68	70	68	70	71	69	70	69
MADA 3 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3 3 3 4 1 3 3 3 3 3 3	Foreign Origin	26	33	36	35	36	37	36	38	32	30	32	30	29	31	30	31
MANY	JAPAN												-			-	
THED KINDOOM 2 3 4 3 2 2 5 2 2 2 2 2 2 2 2 2 1 1 1 1 2 2 1 2 2 2 3 3 3 4 4 6 9 9 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	CANADA															1	
MANN	GERMANY	2	3	3	3	2	3	3	3	3	2	2	2	2	2		2
NNCE	UNITED KINGDOM	2	3	4	3	2	2	3	2	2	2	2	2	2	2	1	2
ALY 1 2 2 2 2 3 3 2 2 2 1 1 1 1 1 2 1 1 1 1	TAIWAN		1	1	1	2	1	2	2	2	3	3	4	4	6	9	2
ALY 1 2 2 2 2 3 3 2 2 2 1 1 1 1 1 2 1 1 1 1	FRANCE	2					2									1	
DEDEN 2 2 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ITALY																
NG KONG 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SWEDEN																
TREALIA 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																7	
TEZERLAND															Τ	1	
HERILANDS	AUSTRALIA																
MARK	SWITZERLAND	1											1				
ITH NORRA	NETHERLANDS		1	1													
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DENMARK				1	1		1	1		1				1		
STRIA SLAND SLAND SLAND SLAND SERIAND SERI	SOUTH KOREA						1	1		1		1	1	1		1	0
MAIN	BELGIUM					1		1		1							0
NAMY NAMY NAME NAME NAME NAME NAME NAME NAME NAME	AUSTRIA																0
NATION OF THE CONTROL	FINLAND																
NAZI VAZILAND VEMBOURG AFRICA VICO VI	SPAIN																
RAEL N ZEALAND STATEMENTINA SECUELA SINCE SECTION SOLATION SOLATIO																	
Marchand																	
MERICA AFRICA (1700)	ISRAEL																
AFRICA (ICC)																	
MATCO	LUXEMBOURG																0
ELAND JOUAY SUBJECT SUBJECT	S. AFRICA																0
DECE	MEXICO																0
Comporations 18 23 27 27 28 27 30 24 22 24 21 20 22 23 23 29 30 30 30 29 31 32 30 30 30 30 30 30 30	IRELAND																0
Comporations 18 23 27 27 28 27 30 24 22 24 21 20 22 23 23 29 30 30 30 29 31 33 31 41 32 32 30 30 30 30 30 30	URUGUAY																
MATICAL STREET OF THE PROPERTY	GREECE																
AZIL S.S.R. LAYSIA SOSLAVIA SENTINA NEZUELA AILAND RICUGAL Lers (45) COrporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 Laga Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 Laga Government	SINGAPORE																
S.S.R. LAYSIA SOSLAVIA SENTINA MEZUELA ALLAND RTUGAL ners (45) Tip: Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 36 38 40 40 40 39 30 38 36 38 40 40 40 39 30 38 38 30 38 38 30 30 38 30 30 30 30 30 30 30 30 30 30 30 30 30	BRAZIL																
AYSIA GOSLAVIA																	
SOSLAVIA SENTINA NEZUELA ALLAND RETUGAL RETUGA	U.S.S.R.																
SENTINA NEZUELA AILAND RTUGAL hers (45) Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 Lign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 Lign Government	MALAYSIA																
AILAND RTUGAL hers (45) Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 Ign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 Ign Government	YUGOSLAVIA																
AILAND RTUGAL hers (45) **Topic	ARGENTINA																
COMPORTING AT 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 25 29 Government	VENEZUELA																
ners (45) nip: Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 and a sign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 and a government	THAILAND																(
ners (45) nip: Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 and a sign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 and a government	PORTUGAL																(
nip: Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 ign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 ign Government	Others (45)																
Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 30 29 31 29 34 34 30 31 33 31 41 32 39 39 39 30 39 39 30 39 39 30 39 30 39 30 39 30 39 30 30 39 30 39 30 39 30 39 30 39 30 39 30 39 30 39 30 39 30 39 30 39 30 30 39 30 30 39 30 30 30 30 30 30 30 30 30 30 30 30 30	,																
Corporations 39 40 37 37 36 36 35 35 36 38 40 40 40 39 30 38 Government Individuals 36 29 29 30 30 29 31 29 34 34 30 31 33 31 41 32 33 37 41 32 39 39 30 39 30 39 30 39 30 39 30 39 30 39 30 30 39 30 30 39 30 30 39 30 30 39 30 39 30 39 30 39 30 39 30 30 39 30 39 30 39 30 30 39 30 30 39 30 30 39 30 30 39 30 30 39 30 30 30 30 30 30 30 30 30 30 30 30 30	ership:																
Government Individuals 36 29 29 30 30 29 31 29 34 34 30 31 33 31 41 32 ign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 ign Government	J.S. Corporations	39	40	37	37	36	36	35	35	36	38	40	40	40	39	30	3,8
Individuals 36 29 29 30 30 29 31 29 34 34 30 31 33 31 41 32 41 32 4 22 24 21 20 22 23 23 43 49 Government		3,5	10	5,	5,	30	30	33	33	30	50	10	10	10	3,	50	
ign Corporations 18 23 27 27 27 28 27 30 24 22 24 21 20 22 23 23 ign Government		20	20	2.0	2.0	2.0	20	21	20	2.4	2.4	2.0	21	2.2	2.1	41	
ign Government																	
	oreign Corporations	18	23	27	27	27	28	27	30	24	22	24	21	20	22	23	23
om Individuals 7 8 7 7 7 7 7 7 6 6 6 7 7 8 7 7	oreign Government																C
	reign Individuals	7	8	7	7	7	7	7	7	6	6	6	7	7	8	7	7

Part B

Ranked Listing of Organizations with Patent Grants
As Distributed By Year of Patent Grant
and As Distributed By Year of Patent Application

Organizational Patenting			(Gra	nted: Ja	an 01, 19	977 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
SHARP KABUSHKI KAISHA																	
Patents By Year of Grant:	110	30	54	48	39	29	69	70	149	84	58	50	40	47	25	902	
Patents By Year of Application:	215	37	43	54	79	119	80	62	50	40	40	32	27	23	1	902	
1 11 11 1																	
CANON KABUSHIKI KAISHA																	
Patents By Year of Grant:	39	18	9	12	30	39	53	45	50	87	81	71	64	80	81	759	
Patents By Year of Application:	66	26	29	61	59	26	62	63	70	52	67	71	46	60	1	759	
MATSUSHITA ELECTRIC INDUSTRIAL CO., I	LTD.																
Patents By Year of Grant:	192	16	29	23	16	31	22	33	18	25	19	49	28	65	45	611	
Patents By Year of Application:	256	15	32	19	21	26	17	17	21	28	36	48	43	31	1	611	
MOTOROLA, INC.																	
Patents By Year of Grant:	34	8	10	21	16	15	21	30	25	24	30	60	122	96	97	609	
Patents By Year of Application:	60	24	14	11	29	29	18	25	30	54	77	108	75	52	3	609	
INTERNATIONAL BUSINESS MACHINES CORPO	ORATION																
Patents By Year of Grant:	72	9	8	14	29	41	25	30	34	33	25	54	56	84	58	572	
Patents By Year of Application:	98	26	39	25	36	28	19	30	53	30	49	46	67	25	1	572	
SONY CORPORATION																	
Patents By Year of Grant:	19	13	9	17	10	19	15	21	37	53	44	72	88	50	79	546	
Patents By Year of Application:	49	18	16	24	18	23	36	52	38	70	65	38	57	41	1	546	
DART INDUSTRIES INC.																	
Patents By Year of Grant:	171	31	47	27	47	24	8	18	24	29	15	16	33	24	28	542	
Patents By Year of Application:	265	40	32	15	21	10	28	23	14	13	25	15	22	19	0	542	
TOSHIBA CORPORATION																	
Patents By Year of Grant:	15	19	29	21	25	20	31	35	64	65	63	33	32	37	42	531	
Patents By Year of Application:	72	22	27	31	20	28	70	55	62	23	38	25	20	38	0	531	
NIKE, INC.																	
Patents By Year of Grant:	0	0	3	2	0	1	0	1	23	56	109	116	101	47	41	500	
Patents By Year of Application:	3	2	0	1	0	1	2	14	93	104	108	70	55	41	6	500	
INTERLEGO A.G.																	
Patents By Year of Grant:	13	0	2	19	15	18	27	24	30	51	54	44	68	73	43	481	
Patents By Year of Application:	32	7	13	19	28	27	22	61	50	36	42	58	62	24	0	481	
U.S. PHILIPS CORPORATION																	
Patents By Year of Grant:	67	13	17	25	33	25	15	21	29	42	49	20	32	22	24	434	
Patents By Year of Application:	112	21	28	27	24	15	33	31	54	14	18	12	31	14	0	434	

Organizational Patenting			(Gra	nted: Ja	ın 01, 19	977 - Dec	31, 199	96)	Ranked	d List of	E Organiz	ations w	vith 50	or More	Patent	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
GOODYEAR TIRE + RUBBER COMPANY																	
Patents By Year of Grant:	43	6	15	10	9	6	11	17	29	27	39	47	68	45	43	415	
Patents By Year of Application:	64	11	12	12	11	20	26	21	39	33	53	36	60	17	0	415	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
RUBBERMAID INCORPORATED																	
Patents By Year of Grant:	9	5	3	8	6	7	4	8	22	24	64	48	61	54	51	374	
Patents By Year of Application:	24	7	5	6	10	4	30	21	60	31	44	46	62	24	0	374	
SEIKOSHA CO., LTD. Patents By Year of Grant:	1	1	1	0	0	0	0	11	38	101	50	36	86	30	7	362	
Patents By Year of Application:	3	0	0	0	16	43	51	63	39	61	50	22	8	4	0	362	
racenes by rear or Appricacion.	3	0	U	U	10	43	31	03	3,7	01	32	22	0	-	0	302	
KOHLER CO.																	
Patents By Year of Grant:	27	6	6	12	8	8	27	18	19	62	43	39	39	17	15	346	
Patents By Year of Application:	41	12	8	13	30	21	43	33	27	40	21	31	14	12	0	346	
AT&T CORP.																	
Patents By Year of Grant:	49	9	26	46	26	18	20	14	14	14	16	17	15	14	13	311	
Patents By Year of Application:	87	23	39	27	12	25	11	6	25	12	17	11	12	4	0	311	
THE QUAKER OATS COMPANY																	
Patents By Year of Grant:	76	16	23	19	33	32	26	29	21	21	4	0	0	0	0	300	
Patents By Year of Application:	116	19	34	51	27	16	28	8	1	0	0	0	0	0	0	300	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
CASIO COMPUTER CO. LTD.																	
Patents By Year of Grant:	5	1	0	0	0	3	17	18	31	43	28	14	45	54	32	291	
Patents By Year of Application:	6	0	0	18	19	26	19	42	18	13	56	20	27	27	0	291	
HIGHLAND SUPPLY CORPORATION Patents By Year of Grant:	0	0	0	0	0	24	4	10	0	29	17	36	6	106	54	286	
Patents By Year of Application:	0	0	17	10	1	24	1	24	5	71	70	58	1	4	0	286	
racenes by rear or apprication.	0	0	1,	10	_	21	_	27	3	/ 1	70	30	_	-	0	200	
AMERICAN STANDARD, INC.																	
Patents By Year of Grant:	45	10	36	15	0	13	19	8	8	24	20	22	12	23	28	283	
Patents By Year of Application:	94	10	9	5	18	23	7	24	17	17	6	12	19	22	0	283	
BLACK & DECKER INC.																	
Patents By Year of Grant:	19	0	5	9	15	22	12	15	9	29	21	16	17	18	76	283	
Patents By Year of Application:	29	11	26	13	13	18	18	18	12	10	11	15	18	70	1	283	
HONDA GIKEN KOGYO KABUSHIKI KAISHA (HONDA MOT	OR CO	ו מיד.ז														
Patents By Year of Grant:	13	17	27	23	20	13	29	27	32	13	12	17	23	5	9	280	
Patents By Year of Application:	75	16	21	24	29	28	12	18	5	15	18	8	5	6	0	280	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	s	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
GENERAL ELECTRIC COMPANY																	
Patents By Year of Grant:	152	8	3	6	7	3	16	15	20	24	10	3	5	4	3	279	
Patents By Year of Application:	165	7	5	9	27	13	20	17	1	5	2	3	4	1	0	279	
REEBOK INTERNATIONAL, LTD.																	
Patents By Year of Grant:	1	0	0	0	0	3	69	40	16	3	24	22	45	20	6	249	
Patents By Year of Application:	1	0	0	15	12	58	19	28	5	20	21	38	29	3	0	249	
TOMY COMPANY, LTD.																	
Patents By Year of Grant:	104	9	11	14	6	13	3	12	12	12	12	7	3	3	6	227	
Patents By Year of Application:	131	10	7	11	10	7	8	15	6	11	2	3	0	6	0	227	
BRIDGESTONE CORPORATION																	
Patents By Year of Grant:	38	3	13	14	12	22	8	11	6	21	7	28	16	3	12	214	
Patents By Year of Application:	57	22	17	10	10	8	21	6	9	17	16	7	4	10	0	214	
PROCTER + GAMBLE COMPANY																	
Patents By Year of Grant:	55	1	7	8	5	15	6	14	9	20	32	18	13	5	5	213	
Patents By Year of Application:	66	9	8	14	17	8	14	9	22	21	7	11	4	3	0	213	
MINNESOTA MINING AND MANUFACTURING CO		1.0	-								0.0	1.0	1.5	0.7	2.2	011	
Patents By Year of Grant:	27	10	1	6 9	1	11	9	9	8	11	22	19	17	27	33	211	
Patents By Year of Application:	43	2	8	9	10	7	10	9	20	9	23	16	39	6	0	211	
TAKARA CO, LTD.																	
Patents By Year of Grant:	13	0	7	7	39	21	48	34	35	2	2	0	0	0	0	208	
Patents By Year of Application:	19	15	46	40	37	24	12	12	3	0	0	0	0	0	0	208	
racenes by rear or Appricacion.	13	13	40	40	31	27	12	12	3	U	U	U	U	U	U	200	
MIKRON INDUSTRIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	57	32	81	37	207	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	63	7	30	75	32	0	207	
ratement by rear or imprisoneron	ŭ		, ,	, ,		· ·	· ·	· ·	ŭ		,	30	, 5	32		207	
JOHN MANUFACTURING LIMITED																	
Patents By Year of Grant:	0	1	3	4	24	10	11	13	13	18	14	17	32	16	24	200	
Patents By Year of Application:	10	15	14	14	10	15	5	14	13	14	27	19	16	11	3	200	
SUMITOMO RUBBER INDUSTRIES, LTD.																	
Patents By Year of Grant:	0	0	3	7	5	35	13	35	18	23	11	19	17	4	9	199	
Patents By Year of Application:	6	6	25	17	35	25	14	17	6	20	7	10	11	0	0	199	
HITACHI, LTD																	
Patents By Year of Grant:	17	9	9	13	13	27	16	10	14	17	6	24	9	10	4	198	
Patents By Year of Application:	39	15	17	25	12	15	7	17	5	18	9	9	7	3	0	198	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	vith 50	or More	Patents	3	
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
RYOBI, LTD.																	
Patents By Year of Grant:	29	5	7	13	11	6	14	18	15	8	19	20	9	5	3	182	
Patents By Year of Application:	42	13	15	10	16	17	8	18	7	15	10	5	5	1	0	182	
COMBI CO., LTD.																	
Patents By Year of Grant:	55	12	11	7	7	6	7	7	5	17	14	16	7	7	1	179	
Patents By Year of Application:	81	8	6	9	6	4	10	12	8	17	7	4	7	0	0	179	
COLGATE-PALMOLIVE COMPANY																	
Patents By Year of Grant:	11	13	0	7	2	9	1	4	11	13	14	32	28	19	13	177	
Patents By Year of Application:	30	2	3	6	3	1	17	8	25	36	16	14	7	9	0	177	
RICOH COMPANY, LTD.																	
Patents By Year of Grant:	24	8	6	11	21	17	15	10	10	14	13	6	8	7	5	175	
Patents By Year of Application:	44	16	17	21	13	8	8	13	9	6	7	8	3	2	0	175	
GOLD STAR COMPANY, LTD.																	
Patents By Year of Grant:	0	0	0	3	2	4	16	9	36	29	27	7	11	10	13	167	
Patents By Year of Application:	0	5	4	14	7	23	32	17	25	3	9	14	14	0	0	167	
GILLETTE COMPANY																	
Patents By Year of Grant:	48	8	8	3	6	5	2	5	8	7	9	14	22	12	8	165	
Patents By Year of Application:	65	4	6	5	2	9	1	9	9	20	13	8	9	5	0	165	
YAZAKI CORP.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	25	67	52	6	0	0	9	160	
Patents By Year of Application:	0	0	0	0	0	22	47	56	23	1	2	0	7	1	1	160	
ASICS CORPORATION																	
Patents By Year of Grant:	6	0	1	0	0	3	8	6	26	17	25	22	16	11	12	153	
Patents By Year of Application:	7	0	1	8	7	16	11	22	16	11	17	16	21	0	0	153	
EASTMAN KODAK COMPANY																	
Patents By Year of Grant:	26	2	8	1	3	6	6	6	14	16	12	3	11	11	26	151	
Patents By Year of Application:	37	1	2	10	5	17	10	9	11	2	6	8	23	10	0	151	
FUJI PHOTO FILM CO., LTD																	
Patents By Year of Grant:	9	0	0	0	0	0	0	2	10	24	26	26	21	17	12	147	
Patents By Year of Application:	9	0	0	0	9	2	15	12	26	22	15	12	17	8	0	147	
ABBOTT LABORATORIES																	
Patents By Year of Grant:	42	9	10	2	5	15	8	4	5	7	9	12	5	3	9	145	
Patents By Year of Application:	64	4	15	8	4	6	3	7	10	4	8	2	9	1	0	145	

DESIGN PATENTS, 1977 - 1996

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Organizational Patenting			(Gra	ınted: Ja	ın 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
NORTHERN TELECOM LIMITED	2.0			_	1.5	1.5	0.0	1.0	1.0		-	-	_		2	1.45	
Patents By Year of Grant:	32 41	1 11	6 18	20	17 17	17 5	20 8	13 8	12 1	6	5 1		1	3	3	145 145	
Patents By Year of Application:	41	11	18	20	1/	5	8	8	1	0	1	5	1	3	U	145	
NORTH AMERICAN PHILIPS CORPORATION																	
Patents By Year of Grant:	29	7	8	13	12	23	13	14	7	12	5	1	0	0	0	144	
Patents By Year of Application:	51	13	15	18	23	4	5	11	2	2	0	0	0	0	0	144	
MITSUBISHI DENKI KABUSHIKI KAISHA																	
Patents By Year of Grant:	0	1	4	4	11	4	14	23	26	10	19	17	8	0	2	143	
Patents By Year of Application:	3	11	8	14	14	26	13	14	14	17	6	1	2	0	0	143	
OKI ELECTRIC INDUSTRY CO., LTD.																	
Patents By Year of Grant:	33	5	4	1	1	1	15	8	13	13	14	16	5	11	3	143	
Patents By Year of Application:	43	0	2	0	13	13	11	13	10	14	10	6	4	4	0	143	
COCA-COLA COMPANY																	
Patents By Year of Grant:	14	8	4	3	7	7	19	10	6	10	15	8	8	12	10	141	
Patents By Year of Application:	28	8	8	12	12	8	12	8	10	4	7	9	6	9	0	141	
SEIKO EPSON CORPORATION																	
Patents By Year of Grant:	0	0	0	0	3	5	1	3	5	30	25	18	18	13	19	140	
Patents By Year of Application:	0	0	8	1	2	2	15	21	29	10	16	13	13	10	0	140	
AVIA GROUP INTERNATIONAL, INC.																	
Patents By Year of Grant:	0	0	0	0	0	11	57	23	7	8	12	11	8	1	0	138	
Patents By Year of Application:	0	0	0	0	0	46	42	11	8	13	4	10	4	0	0	138	
SYRACUSE CHINA CORPORATION								_									
Patents By Year of Grant:	30	1	3	20	8	16	1	5	8	22	19	4	0	0	0	137	
Patents By Year of Application:	38	22	14	11	U	1	14	31	4	2	0	U	0	0	0	137	
TEAC CORPORATION	•	•		•	1	2	•	2	•	0.0	0.0	0.5	0.0	1.0	1.0	105	
Patents By Year of Grant:	0	0	2	0	4	3	2	3	2	23	22	25	22	19	13	137	
Patents By Year of Application:	2	0	3	1	4	1	11	24	19	24	16	16	10	6	0	137	
AMERICAN CYANAMID COMPANY			_			_					_						
Patents By Year of Grant:	70	4	7	16	2	7	1	1	8	0	./	1	1	8	2	135	
Patents By Year of Application:	92	6	9	0	1	6	2	1	6	1	1	4	6	0	0	135	
SUNBEAM CORPORATION																	
Patents By Year of Grant:	60	7	5	6	2	4	2	4	10	3	3	2	7	19	1	135	
Patents By Year of Application:	75	4	3	4	5	7	5	2	3	1	6	6	14	0	0	135	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 50	or More	Patents	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
DAIWA SEIKO INC																	
Patents By Year of Grant:	17	5	7	5	7	14	12	8	6	1.1	13	4	8	2	14	133	
Patents By Year of Application:	29	10	14	13	7	4	11	10	6	5	6	4	9	5	0	133	
MICHELIN RECHERCHE ET TECHNIQUE																	
Patents By Year of Grant:	0	0	0	1	3	8	7	4	5	3	4	16	19	35	16	121	
Patents By Year of Application:	0	1	6	8	6	5	3	2	4	13	11	27	30	5	0	121	
AMERICAN COMMERCIAL INCORPORATED																	
Patents By Year of Grant:	14	0	7	35	57	7	0	0	0	0	0	0	0	0	0	120	
Patents By Year of Application:	52	48	20	0	0	0	0	0	0	0	0	0	0	0	0	120	
NEC CORPORATION																	
Patents By Year of Grant:	0	0	0	3	4	8	6	13	10	12	12	16	21	4	11	120	
Patents By Year of Application:	0	6	3	4	10	17	6	10	15	10	17	8	5	8	1	120	
S. C. JOHNSON + SON, INC.																	
Patents By Year of Grant:	12	4	4	1	1	3	7	10	14	9	16	9	9	13	7	119	
Patents By Year of Application:	20	2	1	8	12	10	5	12	15	3	9	4	11	7	0	119	
CHRYSLER MOTORS CORPORATION																	
Patents By Year of Grant:	6	0	0	0	5	2	1	2	7	4	3	9	29	14	35	117	
Patents By Year of Application:	6	2	4	1	3	5	5	2	6	5	22	21	24	11	0	117	
SAMSONITE CORPORATION																	
Patents By Year of Grant:	9	1	6	18	11	7	5	3	9	15	3	12	7	5	6	117	
Patents By Year of Application:	27	10	17	1	10	7	5	9	5	7	5	5	6	3	0	117	
RUBBERMAID COMMERICAL PRODUCTS INC.																	
Patents By Year of Grant:	18	4	4	2	3	5	6	6	11	12	14	10	2	8	11	116	
Patents By Year of Application:	27	3	2	6	7	9	9	13	12	7	0	2	11	8	0	116	
ELDON INDUSTRIES, INC.		_			_		_	_				_					
Patents By Year of Grant:	6	5	9	10	1	4	7	7	24	14	21	7	0	0	0	115	
Patents By Year of Application:	29	3	1	11	7	19	3	22	14	6	0	0	0	0	0	115	
BRAUN A.G.			_						_				_				
Patents By Year of Grant:	31	4	1	0	3	3	6	2	5	14	2	10	7	12	14	114	
Patents By Year of Application:	36	0	5	5	2	7	5	11	1	6	5	16	8	7	0	114	
ADDIE GOMPHED TWO																	
APPLE COMPUTER, INC.	-		•	-	_				2	1.0	1.0	0.0			1.0	110	
Patents By Year of Grant:	1	2	2	1	5	8	1	4	3	10	12	20	11	17	16	113	
Patents By Year of Application:	7	2	10	2	1	6	1	9	15	14	13	10	15	8	0	113	

Org	ganizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	3	
		Pre																
		1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
	DUSTRIES INC.																	
	By Year of Grant:	4	0	0	0	2	8	3	7	10	18	11	11	24	8	7	113	
Patents	By Year of Application:	4	1	7	3	9	13	8	10	15	5	14	15	5	4	0	113	
TOTES, INC						1.0	0.7	_	•	0.1	0.0	_	•			_	110	
	By Year of Grant:	0	2	4	11	13	21	7	2	21	22 7	5	0	0	0	5	113	
Patents	By Year of Application:	7	14	10	17	8	4	16	9	16	7	0	0	0	4	1	113	
AMEROCK CO	ODDODATION																	
	By Year of Grant:	62	6	1	1	1	2	15	3	4	0	8	0	0	7	0	110	
		70	0	1	10	9	1	3	1	8	0	0	7	0	0	0	110	
Patents	By Year of Application:	70	U	7	10	9	-1	3	1	0	U	U	,	U	U	U	110	
SANYO ELEC	CTRIC CO., LTD.																	
	By Year of Grant:	4	1	4	4	7	14	13	8	10	12	9	6	5	9	4	110	
	By Year of Application:	8	9	14	14	10	4	8	11	8	7	3	5	8	1	0	110	
	11																	
OWENS-ILLI	INOIS INC.																	
Patents	By Year of Grant:	87	1	4	0	8	7	0	0	0	0	0	0	0	0	0	107	
Patents	By Year of Application:	92	6	9	0	0	0	0	0	0	0	0	0	0	0	0	107	
WESTINGHOU	JSE ELECTRIC CORP.																	
Patents	By Year of Grant:	8	3	3	0	1	2	0	1	1	2	12	30	14	26	4	107	
Patents	By Year of Application:	14	1	2	0	3	2	0	3	28	11	5	17	21	0	0	107	
	ATCH CO., LTD.																	
	By Year of Grant:	9	4	0	10	10	15	15	3	3	3	1	8	3	15	7	106	
Patents	By Year of Application:	15	12	8	28	3	4	0	3	2	5	3	3	13	7	0	106	
T FILED DDGG		T370																
	S. CO., DIVISION OF CONOPCO, By Year of Grant:	INC. 14	2	2	6	5	10	1	3	8	3	3	10	9	6	23	105	
	s By Year of Grant. B By Year of Application:	20	6	8	4	6	10 5	2	3	4	12	3 7	4	1	22	23	105	
racents	s by rear or Apprication.	20	0	0	- 1	0	,	2		- 1	12	,	7	1	22	U	103	
HEWLETT-PA	ACKARD COMPANY																	
	By Year of Grant:	13	0	0	0	0	1	0	3	3	10	8	13	10	21	22	104	
	By Year of Application:	13	0	1	0	2	13	3	7	1	10	9	9	18	18	0	104	
	11																	
OLYMPUS OP	PTICAL CO., LTD.																	
Patents	By Year of Grant:	18	8	5	22	6	1	3	4	4	6	3	10	9	3	1	103	
Patents	By Year of Application:	44	14	2	0	7	4	6	2	2	10	8	2	1	1	0	103	
	MBERT COMPANY																	
	s By Year of Grant:	36	6	7	4	7	3	0	3	5	5	11	1	6	4	3	101	
Patents	By Year of Application:	49	10	4	2	0	7	3	2	11	2	5	2	2	2	0	101	

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Organizational Patenting			(Gra	ınted: Ja	ın 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
STEELCASE INC.																	
Patents By Year of Grant:	19	5	5	4	3	4	3	4	4	4	7 7	8	7	12	11	100	
Patents By Year of Application:	32	5	0	4	9	1	1	7	7	3	-7	8	11	5	0	100	
CORNING INCORPORATED		1.0	-	1.0	2	0	0	2	0	4	0	0	0	-	0	0.0	
Patents By Year of Grant:	53 80	12 7	7 0	13 3	3 2	0 1	2	3 1	0	1 2	0	0 1	2	0	2 0	99 99	
Patents By Year of Application:	80	/	U	3	۷	1	U	1	U	۷	U	1	2	U	U	99	
HERMAN MILLER INC.																	
Patents By Year of Grant:	0	1	0	0	0	3	12	9	16	11	15	16	3	6	6	98	
Patents By Year of Application:	1	0	1	8	13	18	10	4	15	9	8	1	10	0	0	98	
racenes by rear or Appricacion:	1	U	1	0	13	10	10	- 1	13	9	0	1	10	U	U	90	
PARTECIPAZIONI BULGARI S.P.A.																	
Patents By Year of Grant:	0	0	0	0	2	4	0	7	48	19	7	5	0	5	1	98	
Patents By Year of Application:	0	0	5	2	0	38	27	9	11	0	0	0	6	0	0	98	
	-	-	-	=	-			-		-	-	_	-	-	-		
REVLON, INC.																	
Patents By Year of Grant:	26	8	8	8	6	0	1	4	7	21	8	0	0	0	0	97	
Patents By Year of Application:	50	1	5	1	3	2	10	19	6	0	0	0	0	0	0	97	
XEROX CORPORATION																	
Patents By Year of Grant:	51	3	1	2	2	1	24	0	1	0	0	2	4	2	3	96	
Patents By Year of Application:	56	1	2	25	0	1	0	0	0	3	2	3	1	2	0	96	
FRATELLI GUZZINI S.P.A.																	
Patents By Year of Grant:	0	1	4	5	9	2	6	9	18	9	13	14	4	0	1	95	
Patents By Year of Application:	9	6	7	3	10	18	4	6	13	4	14	0	0	1	0	95	
GTE PRODUCTS CORPORATION																	
Patents By Year of Grant:	25	10	4	4	8	11	2	8	3	7	0	7	6	0	0	95	
Patents By Year of Application:	40	7	9	8	9	2	2	2	3	8	5	0	0	0	0	95	
ONEIDA LTD.																	
Patents By Year of Grant:	30	2	2	8	4	3	12	1	2	4	1	12	2	8	4	95	
Patents By Year of Application:	37	8	2	10	5	2	3	2	5	7	0	4	7	3	0	95	
YAMAHA CORPORATION	0	0	0	0	0	0	0	0	8	20	1.0	7	22	6	12	94	
Patents By Year of Grant:	0	0	0	0	0	2	10	18	8 19	20 9	19 14	9	3	10	0	94	
Patents By Year of Application:	U	U	U	U	U	۷	ΤU	18	19	9	14	9	3	ΤU	U	94	
MASCO CORP. OF INDIANA																	
Patents By Year of Grant:	2	2	14	2	2	11	7	2	7	8	6	1	4	11	13	92	
Patents By Year of Application:	21	2	0	14	8	5	7	5	1	3	1	15	8	2	0	92	
racenes by rear or apprication.	21	2	J	7.7	U	5	,	3	_	,	_	13	U	۷	J	22	

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Organizational Patenting			(Gra	nted: Ja	n 01, 19	977 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	vith 50	or More	Patents	s	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
YOSHIDA KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	1	1	5	1	1	6	1	11	2	19	15	7	4	13	5	92	
Patents By Year of Application:	9	0	1	6	0	12	4	27	5	3	4	12	9	0	0	92	
THE LITTLE TIKES COMPANY																	
Patents By Year of Grant:	0	0	0	0	2	0	1	1	5	6	8	17	14	18	19	91	
Patents By Year of Application:	0	0	2	1	0	2	5	5	13	4	13	21	12	13	0	91	
M. KAMENSTEIN, INC.																	
Patents By Year of Grant:	5	0	0	0	2	0	0	11	17	3	14	36	2	0	0	90	
Patents By Year of Application:	5	1	1	0	0	0	13	10	27	13	19	1	0	0	0	90	
ROWENTA-WERKE GMBH																	
Patents By Year of Grant:	26	2	0	0	2	14	3	6	4	9	7	3	3	2	9	90	
Patents By Year of Application:	28	0	6	14	3	4	7	7	2	6	2	1	8	2	0	90	
GENERAL MILLS, INC.																	
Patents By Year of Grant:	8	2	1	0	3	1	0	0	1	14	16	18	5	8	12	89	
Patents By Year of Application:	11	1	3	0	0	0	10	4	19	13	7	6	6	9	0	89	
TEXTRON INC.	1.2	2	1	2	0	2	2	0	1	4	1 7	1.0	11	7	2	0.0	
Patents By Year of Grant:	13	3	1	2	0	8		8	4 19	6	17 12	13	11	0	2	89 89	
Patents By Year of Application: LISCO, INC.	19	U	1	3	2	8	4	3	19	0	12	8	4	U	U	89	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	9	8	31	21	19	88	
Patents By Year of Application:	0	0	0	0	0	0	0	1	11	1	31	19	19	6	0	88	
AMERICAN HOME PRODUCTS CORPORATION																	
Patents By Year of Grant:	39	12	8	2	7	2	1	7	2	2	0	2	0	2	0	86	
Patents By Year of Application:	60	5	4	1	6	2	3	0	1	1	1	2	0	0	0	86	
BAYERISCHE MOTOREN WERKE AG																	
Patents By Year of Grant:	7	5	13	10	16	1	4	1	4	5	8	1	3	0	8	86	
Patents By Year of Application:	28	22	2	4	1	3	2	5	8	1	1	2	6	1	0	86	
BAXTER INTERNATIONAL INC.																	
Patents By Year of Grant:	29	3	4	4	3	6	4	5	5	6	4	3	3	1	4	84	
Patents By Year of Application:	39	7	3	3	6	5	1	7	4	1	2	3	2	1	0	84	
DUNLOP LIMITED																	
Patents By Year of Grant:	54	12	5	3	2	1	1	0	0	1	1	1	3	0	0	84	
Patents By Year of Application:	73	2	3	0	0	0	1	1	1	0	2	1	0	0	0	84	

Organizational Patenting			(Gra	inted: Ja	ın 01, 19	977 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	with 50	or More	Patent:	3	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
THE L.D. KICHLER CO.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	4	6	16	6	18	31	83	
Patents By Year of Application:	0	0	0	0	0	0	1	4	5	8	10	10	25	20	0	83	
CONAIR, INC.																	
Patents By Year of Grant:	10	0	1	16	3	6	5	3	6	3	3	1	10	7	8	82	
Patents By Year of Application:	12	16	1	6	8	1	5	3	3	1	6	7	6	7	0	82	
ANGLIOD LIGGVING GODDODATION																	
ANCHOR HOCKING CORPORATION Patents By Year of Grant:	40	15	2	0	4	8	4	0	1	2	2	1	0	1	1	81	
Patents By Year of Application:	57	2	2	3	7	5	0	0	3	0	1	0	1	0	0	81	
raddies sy rear or neground	3,	2	-	9	,	9	· ·	ŭ	<u> </u>	Ū	-	· ·	-	· ·	· ·	01	
INTERNATIONAL BRAKE INDUSTRIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	21	7	41	12	81	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	22	0	8	39	12	0	81	
MEAD CORPORATION	1.0		•		•		2		_		2	_			2	0.1	
Patents By Year of Grant:	19 30	2	8	1	0	1	3	4 12	7	11 1	3 6	5 7	6 4	8	3	81 81	
Patents By Year of Application:	30	U	1	3	3	3	4	12	1	Τ.	б	/	4	U	U	81	
CERTAIN-TEED CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	4	0	5	29	17	1	11	4	0	8	80	
Patents By Year of Application:	1	1	4	1	4	3	20	24	3	11	2	1	0	5	0	80	
COMPAQ COMPUTER CORPORATION																	
Patents By Year of Grant:	0	0	0	1	0	0	2	1	6	5	2	10	10	24	19	80	
Patents By Year of Application:	1	0	0	0	3	3	7	3	6	5	10	22	18	2	0	80	
DATIGOTI S LOMB TNO																	
BAUSCH & LOMB, INC. Patents By Year of Grant:	11	6	6	5	3	2	2	3	4	7	3	6	5	3	13	79	
Patents By Year of Application:	21	9	3	2	3	2	10	0	4	3	1	7	8	6	0	79	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																	
STANLEY WORKS																	
Patents By Year of Grant:	23	2	1	3	0	3	4	9	9	13	1	5	2	3	1	79	
Patents By Year of Application:	28	1	1	7	2	9	10	9	2	3	2	2	2	0	1	79	
	,																
TERUMO KABUSHIKI KAISHA (TERUMO CORPO	RATION) 0	1	0	3	2	2	2	1	10	1 5	2.4	5	8	4	-1	79	
Patents By Year of Grant: Patents By Year of Application:	4	1 2	0	3	3	9	2 12	1 24	10	15 1	24	3	8	4	1	79 79	
racents by rear or Apprication.	4	2	1	4	U	9	14	41	2	1	,	3		1	U	13	
CHAMPION INTERNATIONAL CORPORATION																	
Patents By Year of Grant:	68	4	3	2	0	0	0	0	1	0	0	0	0	0	0	78	
Patents By Year of Application:	77	0	1	0	0	0	0	0	0	0	0	0	0	0	0	78	

Organizational Patenting			(Gra	nted: Jai	n 01, 19	77 - Dec	31, 199	5)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents		
	_																
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
UNITED STATES SURGICAL CORPORATION																	
Patents By Year of Grant:	7	5	16	7	20	0	2	3	0	6	0	5	3	2	2	78	
Patents By Year of Application:	33	10	10	4	2	1	2	2	4	3	2	3	2	0	0	78	
UNIVERSAL FURNITURE INDUSTRIES, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	1	3	0	4	2	7	16	45	78	
Patents By Year of Application:	0	0	0	0	2	0	2	5	1	0	9	3	21	35	0	78	
ASAHI KOGAKU KOGYO KABUSHIKI KAISHA																	
Patents By Year of Grant:	1	1	0	0	0	0	1	6	3	4	5	16	12	19	9	77	
Patents By Year of Application:	2	0	0	0	1	6	3	2	7	15	9	10	14	5	3	77	
Patents By Year of Application.	2	U	U	U	1	0	3	Δ	/	15	9	10	14	5	3	//	
EMERSON ELECTRIC CO.																	
Patents By Year of Grant:	25	4	2	1	2	2	3	11	2	2	2	7	4	5	5	77	
Patents By Year of Application:	32	0	4	5	8	1	4	2	2	5	3	1	7	3	0	77	
SINGER COMPANY																	
Patents By Year of Grant:	41	14	10	7	2	2	1	0	0	0	0	0	0	0	0	77	
Patents By Year of Application:	65	10	1	0	1	0	0	0	0	0	0	0	0	0	0	77	
TIMEX CORPORATION																	
Patents By Year of Grant:	11	4	2	3	4	2	1	7	3	5	5	1	8	16	5	77	
Patents By Year of Application:	17	3	4	3	7	2	5	4	3	1	7	11	7	2	1	77	
AMERICAN OPTICAL CORPORATION																	
Patents By Year of Grant:	68	2	0	0	0	1	0	0	3	2	0	0	0	0	0	76	
-	70	0	1	0	0	0	4	0	1	0	0	0	0	0	0	76	
Patents By Year of Application:	70	U	1	U	U	U	4	U		U	U	U	U	U	U	70	
TOYOTA JIDOSHA K.K.				_							_	_					
Patents By Year of Grant:	6	0	0	1	9	19	9	9	10	3	3	1	1	1	2	74	
Patents By Year of Application:	6	1	13	21	11	12	0	1	2	3	0	2	1	1	0	74	
BEST LOCK CORPORATION																	
Patents By Year of Grant:	1	0	0	0	0	2	0	1	0	0	68	0	0	0	0	72	
Patents By Year of Application:	1	0	1	1	0	1	0	0	0	68	0	0	0	0	0	72	
INDUSTRIA NATUZZI SPA																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	0	2	9	32	29	72	
Patents By Year of Application:	0	0	0	0	0	0	0	0	0	1	4	23	29	15	0	72	
JOHN J. MADISON CO., INC.																	
Patents By Year of Grant:	41	11	4	13	3	0	0	0	0	0	0	0	0	0	0	72	
Patents By Year of Application:	64	8	0	0	0	0	0	0	0	0	0	0	0	0	0	72	
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Organizational Patenting			(Gra	ınted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	with 50	or More	Patents	s	
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
MOBIL OIL CORP.																	
Patents By Year of Grant:	16	4	6	9	3	4	6	2	3	1	1	6	9	2	0	72	
Patents By Year of Application:	26	11	4	7	1	3	2	0	0	7	7	4	0	0	0	72	
GENERAL MOTORS CORPORATION																	
Patents By Year of Grant:	8	7	7	5	6	20	2	6	3	1	1	3	1	0	1	71	
Patents By Year of Application:	23	5	9	17	2	5	3	1	1	3	1	0	1	0	0	71	
GROSFILLEX S.A.R.L. (SOCIETE A RESPO	NSABILITE	LIMITEE)														
Patents By Year of Grant:	2	0	3	0	0	0	0	1	1	0	13	20	7	5	18	70	
Patents By Year of Application:	5	0	0	0	1	1	1	12	15	8	4	5	10	7	1	70	
MATSUSHITA ELECTRIC WORKS, LTD.																	
Patents By Year of Grant:	10	6	4	2	1	3	8	7	1	1	5	7	10	1	4	70	
Patents By Year of Application:	20	2	1	6	7	5	0	2	7	7	6	2	1	4	0	70	
CHESEBROUGH-POND'S USA CO., DIVISION	OF CONOR	CO, INC.															
Patents By Year of Grant:	1	0	0	1	0	0	0	0	5	23	0	8	9	10	12	69	
Patents By Year of Application:	2	0	0	0	0	2	13	13	1	3	9	9	14	3	0	69	
EMHART INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	8	1	15	15	30	69	
Patents By Year of Application:	0	0	0	0	0	0	4	0	5	4	12	6	11	27	0	69	
THE HOOVER COMPANY																	
Patents By Year of Grant:	5	5	2	4	0	3	1	3	7	2	8	8	4	12	5	69	
Patents By Year of Application:	14	2	0	4	2	6	0	5	3	12	3	11	3	4	0	69	
CLAIROL INCORPORATED																	
Patents By Year of Grant:	36	5	1	5	2	3	0	3	0	0	2	9	0	0	1	67	
Patents By Year of Application:	43	6	0	3	2	1	0	3	0	8	0	0	1	0	0	67	
COATS + CLARK INC.																	
Patents By Year of Grant:	34	2	7	11	0	5	3	0	4	1	0	0	0	0	0	67	
Patents By Year of Application:	42	12	0	8	0	0	5	0	0	0	0	0	0	0	0	67	
FISKARS OY AB																	
Patents By Year of Grant:	12	1	5	2	3	2	1	5	2	1	0	12	12	8	1	67	
Patents By Year of Application:	20	4	1	0	5	0	3	1	5	6	8	9	4	1	0	67	
JANOME SEWING MACHINE CO. LTD.																	
Patents By Year of Grant:	5	3	3	5	3	14	3	3	7	11	3	3	1	2	1	67	
Patents By Year of Application:	12	5	14	6	8	3	2	7	3	3	1	0	3	0	0	67	

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Organizational Patenting			(Gra	anted: Ja	an 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents	s	
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
L.A. GEAR, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	1	10	11	17	15	6	7	0	0	67	
Patents By Year of Application:	0	0	0	0	0	7	15	13	10	13	4	5	0	0	0	67	
SIMMONS JUVENILE PRODUCTS COMPANY, INC	C.																
Patents By Year of Grant:	0	0	0	0	0	0	3	1	2	2	7	4	13	16	19	67	
Patents By Year of Application:	0	0	0	0	4	2	0	4	3	5	6	13	18	12	0	67	
DIGITAL EQUIPMENT CORPORATION																	
Patents By Year of Grant:	5	0	1	2	0	0	2	5	11	7	5	17	7	1	3	66	
Patents By Year of Application:	8	0	0	4	6	11	2	2	8	17	3	2	3	0	0	66	
HESTAIR KIDDICRAFT LTD.			_	_													
Patents By Year of Grant:	0	0	5	5 8	17 9	11	3	13	3	8	0	0	0	0	0	65	
Patents By Year of Application:	8	8	15	8	9	6	4	7	0	0	0	0	0	U	0	65	
SUMITOMO WIRING SYSTEMS, LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	2	25	31	3	0	3	1	65	
Patents By Year of Application:	0	0	0	0	0	6	13	39	2	1	0	2	2	0	0	65	
HENREDON FURNITURE INDUSTRIES, INC.													_				
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	21	13	5	8	17	64	
Patents By Year of Application:	0	0	0	0	0	0	0	15	20	0	0	11	11	2	5	64	
HONEYWELL INC.																	
Patents By Year of Grant:	20	2	1	0	2	3	1	0	2	9	1	6	4	11	2	64	
Patents By Year of Application: KIMBERLY-CLARK CORPORATION	23	2	2	2	0	3	4	5	1	4	4	4	9	1	0	64	
Patents By Year of Grant:	18	1	6	2	0	2	8	4	1	8	2	2	0	4	6	64	
Patents By Year of Application:	27	0	2	3	5	5	1	6	3	1	1	2	5	3	0	64	
PITTWAY CORPORATION	27	Ü	2	5	3	3	_	Ü	3	1	_	2	3	5	Ü	01	
Patents By Year of Grant:	11	7	3	1	5	13	1	3	6	4	1	4	0	5	0	64	
Patents By Year of Application:	21	4	6	8	3	9	3	0	1	0	4	1	4	0	0	64	
ALLIBERT EXPLOITATION, SOCIETE ANONYM		1	Ü	Ü	3		3	Ü	-	· ·	-	<u> </u>	•	Ü	Ü	01	
Patents By Year of Grant:	15	7	6	1	3	4	6	0	3	1	3	11	0	0	0	63	
Patents By Year of Application:	29	3	5	7	1	3	2	2	11	0	0	0	0	0	0	63	
OUESTOR CORP.	23	3	3	,	1	3	۷	۷	11	U	U	U	U	U	U	03	
~	1.4	8	2.2	1.6	2	0	0	0	0	0	0	0	0	0	0	62	
Patents By Year of Application:	14 59	8	22	16 0	3	0	0	0	0	0	0	0	0	0	0	63 63	
Patents By Year of Application:	פכ	4	U	U	U	U	U	U	U	U	U	U	U	U	U	0.5	

Organizational Patenting			(Gra	anted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	l List of	Organiz	ations w	ith 50	or More	Patents		
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
	1983	1983	1984	1985	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1990	TOTAL	
CPG PRODUCTS CORP.																	
Patents By Year of Grant:	13	9	18	15	7	0	0	0	0	0	0	0	0	0	0	62	
Patents By Year of Application:	44	10	8	0	0	0	0	0	0	0	0	0	0	0	0	62	
L'OREAL S.A.																	
Patents By Year of Grant:	2	3	0	6	2	3	6	2	12	1	6	6	6	7	0	62	
Patents By Year of Application:	5	6	3	3	5	8	7	4	2	6	5	2	6	0	0	62	
NGD GODDODATION																	
NCR CORPORATION Patents By Year of Grant:	3	1	0	1	2	3	1	14	11	11	3	3	5	4	0	62	
Patents By Year of Application:	4	2	2	2	5	18	8	7	3	5	3	2	0	1	0	62	
racence by fear of Application.	4	2	2	2	5	10	0	/	3	5	3	2	U	±	U	02	
ROSALCO, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	4	20	31	7	0	0	0	0	62	
Patents By Year of Application:	0	0	0	0	0	0	3	26	27	6	0	0	0	0	0	62	
FORD MOTOR COMPANY																	
Patents By Year of Grant:	0	1	0	3	5	15	5	7	8	1	1	4	5	4	2	61	
Patents By Year of Application:	1	7	10	10	2	12	2	1	3	3	3	5	0	2	0	61	
ITT CORPORATION	25	0	3	2	7	4	0	1	0	4	1	0	2	4	7	60	
Patents By Year of Grant:	30	0 4	5	2	1	4	1	1	0	0	1	2	5	5	0	60	
Patents By Year of Application:	30	4	5	2	1	U	1	4	U	U	1	2	5	5	U	60	
MOULINEX, SOCIETE ANONYME																	
Patents By Year of Grant:	2	0	0	0	0	2	2	5	1	6	8	9	12	3	10	60	
Patents By Year of Application:	2	0	2	2	2	4	3	8	4	7	12	2	4	7	1	60	
GARDENA KRESS & KASTNER GMBH																	
Patents By Year of Grant:	2	3	3	3	4	9	1	0	3	15	5	3	3	4	1	59	
Patents By Year of Application:	8	4	11	2	0	1	3	17	3	0	2	0	8	0	0	59	
WARTINA D. CREATION, C. A.																	
MARINA B CREATION S.A.	4	5	14	4	9	11	7	0	1	1	0	0	0	3	0	59	
Patents By Year of Grant: Patents By Year of Application:	4 26	5	6	17	0	0	2	0	0	1	0	0	3	0	0	59 59	
racenes by rear or appricacion.	20	3	0	1,	0	0	2	O	0	0	0	U	3	U	U	33	
MILES INC.																	
Patents By Year of Grant:	14	2	3	1	5	1	2	1	10	3	8	4	4	1	0	59	
Patents By Year of Application:	18	6	1	2	2	4	7	6	5	4	3	1	0	0	0	59	
TELEFONAKTIEBOLAGET LM ERICSSON																	
Patents By Year of Grant:	20	7	8	3	11	2	2	1	1	1	0	0	0	1	2	59	
Patents By Year of Application:	37	11	2	3	0	1	2	0	0	0	0	0	3	0	0	59	

Organizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
	1703	1705	2701	1703	1700	2707	1700	1707	1,,,,		1,,2	1,,,,		1,7,5	2330	101112	
LEVITON MANUFACTURING CO. INC.																	
Patents By Year of Grant:	1	11	7	1	0	4	8	5	7	4	6	3	0	0	1	58	
Patents By Year of Application:	20	0	5	10	1	1	11	1	5	3	0	0	1	0	0	58	
OLIVETTI, ING. C., + C. S.P.A.																	
Patents By Year of Grant:	15	2	3	3	1	0	0	3	20	2	0	4	4	1	0	58	
Patents By Year of Application:	21	3	0	0	0	15	11	0	2	2	2	2	0	0	0	58	
DOSKOCIL MANUFACTURING CO., INC.																	
Patents By Year of Grant:	0	0	0	1	0	1	0	5	3	7	1	6	10	14	9	57	
Patents By Year of Application:	0	1	0	2	0	6	7	2	1	3	4	13	18	0	0	57	
racenes 2 _I rear or neprioacion		-	, ,			, ,	•	2	_	<u> </u>	*			, ,		3,	
KELSEY-HAYES CO.																	
Patents By Year of Grant:	25	3	2	2	5	10	0	8	0	1	0	0	0	1	0	57	
Patents By Year of Application:	35	2	0	10	6	2	1	0	0	0	0	0	1	0	0	57	
PAUL ASSOCIATES, INC.																	
Patents By Year of Grant:	3	3	0	4	0	13	7	16	2	3	6	0	0	0	0	57	
Patents By Year of Application:	6	4	2	11	11	8	7	3	5	0	0	0	0	0	0	57	
SIEMENS AKTIENGESELLSCHAFT																	
Patents By Year of Grant:	4	3	4	4	2	3	4	7	3	3	3	3	5	9	0	57	
Patents By Year of Application:	13	4	3	3	5	3	5	1	4	1	4	8	3	0	0	57	
		=						_	_	_	-	•	_	-			
COMPAGNIE GENERALE DES ETABLISSEMENT	S MICHELI	N															
Patents By Year of Grant:	34	13	5	2	1	0	1	0	0	0	0	0	0	0	0	56	
Patents By Year of Application:	54	1	0	0	1	0	0	0	0	0	0	0	0	0	0	56	
SELFIX, INC.																	
Patents By Year of Grant:	0 2	0	1 2	2 17	4	9	8 7	3 2	3 0	6 0	0 0	0 4	1 2	5 14	14	56	
Patents By Year of Application:	2	3	2	1/	U	3	/	2	U	U	U	4	2	14	0	56	
BALL CORPORATION																	
Patents By Year of Grant:	50	0	2	2	0	0	0	0	0	0	0	0	0	0	1	55	
Patents By Year of Application:	52	2	0	0	0	0	0	0	0	0	0	0	0	1	0	55	
BRITISH TELECOMMUNICATION, PLC																	
Patents By Year of Grant:	0	0	0	2	6	2	3	6	7	5	7	7	5	5	0	55	
Patents By Year of Application:	2	6	1	2	2	5	8	8	4	4	9	2	2	0	0	55	
DRACKETT COMPANY																	
Patents By Year of Grant:	15 25	4	2	10 5	3	6 2	3 2	6 0	3 0	0	0	2	1 0	0	0	55 55	
Patents By Year of Application:	25	9	U	5	9	2	2	U	U	3	U	U	U	U	U	55	

DESIGN PATENTS, 1977 - 1996

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Organizational Patenting			(Gra	nted: Ja	n 01, 19	77 - Dec	31, 199	6)	Ranked	List of	Organiz	ations w	ith 50	or More	Patents		
	Pre 1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
INTERDICA S.A.																	
Patents By Year of Grant:	18	10	7	3	2	3	6	0	1	5	0	0	0	0	0	55	
Patents By Year of Application:	38	2	1	8	1	0	4	1	0	0	0	0	0	0	0	55	
NIKON CORPORATION																	
Patents By Year of Grant:	3	2	1	2	0	2	4	0	6	3	4	3	8	7	10	55	
Patents By Year of Application:	6	2	1	3	2	4	4	2	3	3	5	3	12	5	0	55	
POLLYFLAME INTERNATIONAL B.V.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	2	5	28	18	2	0	55	
Patents By Year of Application:	0	0	0	0	0	0	0	2	10	17	23	1	2	0	0	55	
DESIGN INSTITUTE AMERICA, INC.																	
Patents By Year of Grant:	0	0	3	6	10	16	7	4	1	7	0	0	0	0	0	54	
Patents By Year of Application:	1	16	18	2	9	0	1	7	0	0	0	0	0	0	0	54	
KNOLL INTERNATIONAL, INC.																	
Patents By Year of Grant:	17	4	8	14	7	2	0	1	0	0	1	0	0	0	0	54	
Patents By Year of Application:	36	10	6	1	0	1	0	0	0	0	0	0	0	0	0	54	
SIMMONS UNIVERSAL CORPORATION																	
Patents By Year of Grant:	5	19	13	9	6	2	0	0	0	0	0	0	0	0	0	54	
Patents By Year of Application:	38	11	5	0	0	0	0	0	0	0	0	0	0	0	0	54	
WINSTON FURNITURE COMPANY OF ALABAMA	, INC.																
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	14	3	15	6	14	2	54	
Patents By Year of Application:	0	0	0	0	1	5	9	4	9	4	5	5	12	0	0	54	
MERCEDES-BENZ AG																	
Patents By Year of Grant:	5	3	1	1	5	0	0	2	2	3	6	5	1	4	15	53	
Patents By Year of Application:	10	4	1	0	3	2	2	2	5	5	1	3	13	1	1	53	
NOKIA MOBILE PHONES LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0	4	7	16	22	4	53	
Patents By Year of Application:	0	0	0	0	0	0	0	0	9	4	11	5	21	3	0	53	
SAMSUNG ELECTRONICS CO., LTD.																	
Patents By Year of Grant:	0	0	0	1	0	0	0	4	2	0	5	10	7	15	9	53	
Patents By Year of Application:	1	0	0	0	0	0	6	0	9	8	7	2	15	4	1	53	
YAMAHA HATSUDOKI KABUSHIKI KAISHA, Y	TOM AHAMA	OR CO.,	LTD.														
Patents By Year of Grant:	16	6	12	1	1	1	3	0	5	6	1	0	0	1	0	53	
Patents By Year of Application:	35	1	0	2	3	4	1	5	1	0	0	1	0	0	0	53	

Organizational Patenting			(Gra	anted: Ja	ın 01, 19	977 - Dec	: 31, 199	6)	Ranked	List of	Organiz	ations w	rith 50	or More	Patents		
	Pre																
	1983	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	TOTAL	
AMERICAN GREETINGS CORPORATION																	
Patents By Year of Grant:	1	0	6	9	12	14	4	0	1	0	1	1	2	1	0	52	
Patents By Year of Application:	13	7	19	7	0	1	0	1	0	0	3	1	0	0	0	52	
DURACRAFT CORPORATION																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	9	4	5	10	9	15	52	
Patents By Year of Application:	0	0	0	0	0	0	0	6	7	2	4	14	6	13	0	52	
GIROFLEX-ENTWICKLUNGS-AG																	
Patents By Year of Grant:	10	9	3	0	0	5	1	1	12	0	0	1	6	2	2	52	
Patents By Year of Application:	22	5	0	0	2	12	0	0	1	0	7	0	1	2	0	52	
AKTIEBOLAGET ELECTROLUX																	
Patents By Year of Grant:	4	0	0	0	0	2	2	2	2	7	5	8	6	5	8	51	
Patents By Year of Application:	4	0	1	3	3	1	4	4	5	9	3	6	3	5	0	51	
CARRIER CORPORATION																	
Patents By Year of Grant:	5	0	2	3	3	1	1	5	3	3	5	4	7	8	1	51	
Patents By Year of Application:	10	0	3	2	1	6	3	3	4	1	8	4	4	2	0	51	
FRIEDRICH GROHE AKTIENGESELLSCHAFT	0	0	0	0	0	0	0	0	0	0	0	1.77	1.0	0	0.0	F.1	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	0	0 18	0	17	10	2 24	22 0	51 51	
Patents By Year of Application:	U	U	U	U	U	U	U	U	U	18	9	0	U	24	U	21	
KRAFT GENERAL FOODS, INC.																	
Patents By Year of Grant:	0	0	0	0	0	0	0	0	6	6	8	10	19	2	0	51	
Patents By Year of Application:	0	0	0	0	3	3	7	3	9	7	13	6	0	0	0	51	
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MITA INDUSTRIAL COMPANY LTD.																	
Patents By Year of Grant:	0	0	0	0	0	0	4	0	10	5	8	6	2	7	8	50	
Patents By Year of Application:	0	0	0	0	4	5	5	6	8	5	2	8	7	0	0	50	
1 11																	
MOLNLYCKE AB																	
Patents By Year of Grant:	8	3	4	4	4	6	3	4	1	0	2	8	1	0	2	50	
Patents By Year of Application:	18	4	6	4	1	4	0	1	1	8	1	0	1	1	0	50	
ROBERT KRUPS STIFTUNG & CO. KG																	
Patents By Year of Grant:	0	0	0	0	0	5	4	3	10	13	14	1	0	0	0	50	
Patents By Year of Application:	0	0	3	6	2	11	11	15	2	0	0	0	0	0	0	50	
ZIMMER, INC.																	
Patents By Year of Grant:	1	0	4	1	0	4	0	0	0	0	2	5	3	12	18	50	
Patents By Year of Application:	4	2	0	4	1	1	0	0	4	1	0	10	12	11	0	50	
Other Organizations (19702)																	
Patents By Year of Grant:	9932	1902	2091	2176	2454	2555	2408	2625	3281	3799	3742	4116	4601	4914	4954	55550	
Patents By Year of Application:	15055	2404	2662	2789	2715	2893	3006	3033	3196	3265	3732	3911	4135	2683	71	55550	